$java PastryMain 100 1000 100 10 142857

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Number of Nodes - Lower Bound: 100
Number of Nodes - Upper Bound: 1000
Increment: 100
Number of trials: 10

For b = 1

 N      H
100    2.0    3.2    2.6    2.1    1.8    1.3    1.3    1.1    1.0    1.0
        Mean = 1.74, Expected = 6.64, Standard Deviation = 0.74
200    3.1    3.0    2.7    3.1    2.7    3.0    2.7    1.6    1.8    1.6
        Mean = 2.53, Expected = 7.64, Standard Deviation = 0.62
300    3.3    4.0    3.8    3.0    2.7    3.2    2.9    2.9    2.5    2.2
        Mean = 3.05, Expected = 8.23, Standard Deviation = 0.55
400    4.1    4.4    3.9    3.0    3.6    4.6    3.1    3.0    3.1    2.8
        Mean = 3.56, Expected = 8.64, Standard Deviation = 0.65
500    4.3    4.4    4.0    4.6    4.2    3.7    3.3    4.0    3.2    3.6
        Mean = 3.93, Expected = 8.97, Standard Deviation = 0.47
600    4.7    4.0    4.4    4.0    4.1    3.8    4.2    3.7    4.3    3.8
        Mean = 4.10, Expected = 9.23, Standard Deviation = 0.31
700    3.9    4.3    4.2    3.1    4.3    4.1    4.2    3.8    3.6    3.4
        Mean = 3.89, Expected = 9.45, Standard Deviation = 0.41
800    4.0    4.9    4.2    4.0    4.7    3.8    3.6    4.1    3.7    3.5
        Mean = 4.05, Expected = 9.64, Standard Deviation = 0.46
900    5.3    3.7    3.7    4.6    4.8    4.5    5.3    4.2    4.5    3.6
        Mean = 4.42, Expected = 9.81, Standard Deviation = 0.62
1000   4.4    3.8    3.7    4.9    3.9    5.1    4.7    5.2    3.5    3.9
        Mean = 4.31, Expected = 9.97, Standard Deviation = 0.63

chi^2   = 1140.31788
p-value = 0.00000

For b = 2

 N      H
100    2.4    2.7    2.3    1.8    1.9    1.6    1.3    1.2    1.0    1.0
        Mean = 1.72, Expected = 3.32, Standard Deviation = 0.61
200    2.8    2.7    2.7    2.3    2.4    2.9    1.6    2.4    1.8    1.5
        Mean = 2.31, Expected = 3.82, Standard Deviation = 0.51
300    3.0    3.1    2.8    2.8    2.9    2.3    2.6    3.0    2.5    2.2
        Mean = 2.72, Expected = 4.11, Standard Deviation = 0.31
400    3.1    3.7    3.5    2.9    2.5    2.8    3.0    3.2    3.1    2.8
        Mean = 3.06, Expected = 4.32, Standard Deviation = 0.35
500    2.9    3.3    3.1    3.6    3.4    3.6    3.3    3.8    3.1    2.8
        Mean = 3.29, Expected = 4.48, Standard Deviation = 0.32
600    3.0    4.1    3.1    3.6    4.2    3.5    3.2    3.3    3.5    2.7
        Mean = 3.42, Expected = 4.61, Standard Deviation = 0.47
700    3.1    2.9    3.4    3.4    3.5    3.6    3.6    3.0    2.9    3.4
        Mean = 3.28, Expected = 4.73, Standard Deviation = 0.28
800    3.6    3.8    3.3    3.4    3.1    3.5    3.7    4.0    3.2    3.1
        Mean = 3.47, Expected = 4.82, Standard Deviation = 0.31
900    4.1    4.4    3.6    3.6    4.2    2.5    4.0    3.8    3.9    3.8
        Mean = 3.79, Expected = 4.91, Standard Deviation = 0.52
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1000   3.9    4.1    3.6    3.0    3.8    3.5    3.3    3.8    3.8    3.9
        Mean = 3.67, Expected = 4.98, Standard Deviation = 0.33

chi^2   = 136.89648
p-value = 1.00000

For b = 3

 N      H
100    2.1    2.2    2.1    1.7    1.6    1.8    1.4    1.3    1.2    1.0
        Mean = 1.64, Expected = 2.21, Standard Deviation = 0.41
200    2.5    2.5    2.5    1.7    2.0    2.0    1.9    1.8    2.3    1.7
        Mean = 2.09, Expected = 2.55, Standard Deviation = 0.33
300    3.0    2.7    2.8    2.6    2.2    2.1    1.8    2.3    2.3    2.1
        Mean = 2.39, Expected = 2.74, Standard Deviation = 0.37
400    2.6    2.9    2.9    2.7    3.1    2.7    2.9    2.5    2.6    2.4
        Mean = 2.73, Expected = 2.88, Standard Deviation = 0.22
500    2.9    2.7    2.4    3.1    2.5    2.6    3.1    2.6    2.8    2.6
        Mean = 2.73, Expected = 2.99, Standard Deviation = 0.24
600    3.0    3.2    2.6    2.9    2.6    2.3    3.0    2.4    2.3    2.7
        Mean = 2.70, Expected = 3.08, Standard Deviation = 0.32
700    2.6    3.1    2.4    2.7    2.9    2.7    3.1    3.2    2.6    3.2
        Mean = 2.85, Expected = 3.15, Standard Deviation = 0.29
800    3.3    2.9    2.5    3.2    2.9    3.1    2.5    3.4    2.9    3.0
        Mean = 2.97, Expected = 3.21, Standard Deviation = 0.30
900    2.9    3.2    3.4    2.8    3.2    3.2    3.0    2.8    2.8    3.0
        Mean = 3.03, Expected = 3.27, Standard Deviation = 0.21
1000   3.0    3.0    3.1    3.0    2.7    3.5    2.8    2.5    2.7    2.8
        Mean = 2.91, Expected = 3.32, Standard Deviation = 0.28

chi^2   = 13.06000
p-value = 1.00000

For b = 4

 N      H
100    2.1    1.7    1.8    1.7    2.1    1.4    1.4    1.6    1.3    1.1
        Mean = 1.62, Expected = 1.66, Standard Deviation = 0.33
200    2.2    2.4    1.9    2.2    2.2    1.9    1.8    1.8    1.7    1.8
        Mean = 1.99, Expected = 1.91, Standard Deviation = 0.24
300    2.1    2.0    2.3    2.1    1.8    2.0    2.1    2.0    2.4    2.2
        Mean = 2.10, Expected = 2.06, Standard Deviation = 0.17
400    2.5    2.5    2.0    2.3    2.3    1.8    2.2    1.6    2.5    2.2
        Mean = 2.19, Expected = 2.16, Standard Deviation = 0.31
500    2.5    2.6    2.3    2.8    2.4    2.3    2.0    2.4    2.1    2.0
        Mean = 2.34, Expected = 2.24, Standard Deviation = 0.26
600    2.6    2.8    3.0    2.4    2.4    2.9    2.5    2.2    2.2    2.5
        Mean = 2.55, Expected = 2.31, Standard Deviation = 0.28
700    2.8    2.7    2.6    2.6    2.6    3.0    2.7    2.6    2.7    2.8
        Mean = 2.71, Expected = 2.36, Standard Deviation = 0.13
800    2.5    3.1    2.6    2.4    3.1    2.5    2.6    3.0    2.6    2.6
        Mean = 2.70, Expected = 2.41, Standard Deviation = 0.26
900    2.7    2.7    2.5    2.8    2.7    2.5    2.4    2.8    2.5    2.6
        Mean = 2.62, Expected = 2.45, Standard Deviation = 0.14
1000   2.7    2.4    3.1    2.6    2.5    2.6    2.8    2.7    2.9    2.6
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        Mean = 2.69, Expected = 2.49, Standard Deviation = 0.20

chi^2   = 11.99161
p-value = 1.00000
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